

Flush Mount LED Marine Navigation Lamps

USCG2NM for power driven vessels up to 50m (164 ft.) and USCG3NM for including 50M+ Lamp models ST (standard profile), ST-SH (surface mount), BAT (Bausch American Towers), PBT (plus JWS- Palm Beach Towers/Viking), PBT "OLD-STYLE" (see note in italics at bottom)

Thank you for choosing SI LED navigation lamps for your boat's safety!

DESCRIPTION

The all white flush mount appearance of the SI-ST, BAT and PBT lamps is unique in the industry and blends well with the hard top, for PERFECT aerodynamics. The lamps have proven durability and are constructed of materials and components, that when properly installed, will provide years of trouble-free performance. Constructed to IP68 standards and fully potted for durability. Warranted for 5 years (see reverse). PBT "OLD-STYLE" 3 years.

PERFORMANCE - BEST CHOICE FOR SAFETY

The lamps utilize regulation circuitry that maintains constant current supply and brightness, regardless of voltage fluctuations or spikes on the vessel. Very efficient, low power draw. MULTIPLE LEDS/CIRCUITS DRASTICALLY REDUCE TOTAL FAILURE, AS COMPARED TO SINGLE-LED LAMPS

INSTALLATION

REPLACING JWS WITH PBT: The JWS and PBT lamps share IDENTICAL face dimensions. Depending on the OEM, replacing the JWS lamp with the PBT lamp may require a small area of relief approximately 3/8" deep inside the rear of the pocket. Sealing the exposed core is recommended, but not necessary.

In order to maintain compliance with the USCG certification requirements, the PORT/ STBD lamps MUST be installed with the rear of the housing (long, flat area) parallel to the hull centerline. See the illustration below. "The sidelights of a power-driven vessel shall be placed at a height above the hull not greater than three quarters of that of the forward masthead light. They shall not be so low as to be interfered with by deck lights." From: International Annex1, part g. http://www.navcen.uscg.gov/pdf/navRules/Insert_Page134.pdf

The lamps must not be obstructed by items such as rod holders, etc. See sonicillusions.com for a link to the USCG navigation rules. Fix in place with a suitable adhesive/ sealant (silicone sealant). Wire chases can fill with water from open or leaky radar mounts, for example. Preventing water build-up in the wire chase may prevent wiring corrosion. Adding a bead of sealant around the face or at the rear of the lamp may prevent water entry at the lamp. *Lamp modules (internal LED) or other 'custom' lamps not labeled USCG2NM or USCG3NM are for use before the USCG/ABYC compliant mandate. Use of the modules/ lamps on vessels which require compliant lamps is the responsibility of the installer and the vessel's Captain/ owner.



MOLDING BLANKS are the same dimensions as the lamps, except for the addition of a boss for the wire seal. ALLOW .060 EXTRA ROOM FOR EXPANSION AND ADHESIVE (SILICONE RUBBER).

OBSERVE PROPER POLARITY! LEDs DO NOT FUNCTION WHEN POLARITY IS REVERSED!

CLEANING

Use alcohol to clean silicone sealant before cure. Use mild cleaner for other contaminants.

For warranty claims, please contact:

Sonic Illusions

www.sonicillusions.com

561-676-7629



Don't be Afraid of the Dark!

5 YEAR LIMITED WARRANTY (see exception)

This product is warranted to be free from defects in materials and components for 5 years (PBT "Old-Style" 3 years).

See reverse for more information.

USCG APPROVAL 33CFR 183.810
MEETS ABYC A-16 and
IMO COLREGS requirements.
TESTED BY IMANNA LAB, INC. 2005-2006
MANUFACTURED BY SONIC ILLUSIONS
WWW.SONICILLUSIONS.COM

MODEL#s SI-ST (+SH) R,G,W USCG2NM 2 NAUTICAL MILE VISIBILITY FOR VESSELS TO 50M (164ft)
MODEL#s SI-BT R,G USCG3NM 3 NAUTICAL MILE VISIBILITY FOR VESSELS OVER 50M; SI-BTW USCG2NM (TO 50M)
MODEL#s PBT R,G USCG3NM 3 NAUTICAL MILE VISIBILITY FOR VESSELS INCLUDING OVER 50M; PBT-W USCG2NM (TO 50M)
BULB TYPE: LED; ELECTRICAL: 10-30VDC, 40-110mA

PBT "OLD-STYLE" LAMPS MAY ONLY BE USED ON VESSELS ORIGINALLY EQUIPPED, BEFORE THE USCG/ABYC CERTIFICATION MANDATE



LIMITED WARRANTY FOR SI USCG CERTIFIED NAVIGATION LAMPS

The manufacturer (Sonic Illusions) warrants the navigation lamp listed above, to the original purchaser, for a period of 5 years (PBT “OLD-STYLE 3 years).

Defective units must be returned in order to receive the warranty benefit. For rush replacement without Sonic Illusions’ receipt of the defective unit, a replacement will be shipped and you will be invoiced at current prices. Credit will be issued on the next order or a refund issued to you at your option, only after receipt of the defective unit and determination of failure is made. Shipping charges for the replacement to customer will be at no charge. These warranty terms supercede and replace previous warranty terms.

Defective units are to be returned to the place of purchase.

The following conditions are covered under SI’s warranty:

- Defects in materials and components.
- Water intrusion into the lamp from a defective seal at the housing/ lens joints.
- Water intrusion at the cable/ housing junction from a defective seal.
- Failure of any internal component.
- Shipping charges of replacement unit(s) to original purchaser.

The following conditions are NOT covered:

- Damage from improper installation. (For example, cable seal damage from mis-aligned cable chase) Also, consequential and incidental damages are not recoverable under this warranty. Sonic Illusions’ liability only extends to replacement of the product and shipping charges.
- Fractured/ broken lens as the result of an object hitting it.
- Standard UPS Ground shipping costs to the manufacturer or distributor

DISCLAIMER OF WARRANTY

EXCEPT FOR THE LIMITED WARRANTY PROVIDED HEREIN, TO THE EXTENT PERMITTED BY LAW, THE MANUFACTURER (SONIC ILLUSIONS) DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT ANY IMPLIED WARRANTIES MAY NONETHELESS EXIST BY OPERATION OF LAW, ANY SUCH WARRANTIES ARE LIMITED TO THE DURATION OF THIS WARRANTY. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

LIMITATION OF LIABILITY

IT IS THE RESPONSIBILITY OF THE OEM, INSTALLER, BOAT OWNER AND CAPTAIN TO BE CERTAIN THAT NAVIGATION LAMPS WHICH ARE CHOSEN AND INSTALLED COMPLY WITH ALL US AND INTERNATIONAL LAWS AND REGULATIONS.

REPAIR OR REPLACEMENT OF THIS PRODUCT, AS PROVIDED HEREIN, IS YOUR EXCLUSIVE REMEDY. DRSA OR SONIC ILLUSIONS SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOST REVENUES, LOST PROFITS, DOWNTIME, DAMAGE TO PROPERTY, AND THIRD-PARTY CLAIMS, ARISING OUT OF ANY THEORY OF RECOVERY, INCLUDING WARRANTY, CONTRACT, STATUTORY OR TORT. NOTWITHSTANDING THE TERM OF ANY LIMITED WARRANTY OR ANY WARRANTY IMPLIED BY LAW, OR IN THE EVENT THAT ANY LIMITED WARRANTY FAILS OF ITS ESSENTIAL PURPOSE, IN NO EVENT WILL SONIC ILLUSIONS ENTIRE LIABILITY EXCEED THE PURCHASE PRICE OF THIS PRODUCT AND SHIPPING COSTS TO THE CUSTOMER. SOME STATES/PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE AND PROVINCE TO PROVINCE.